## AMENDMENTS TO THE SPECIFICATION

Replace the paragraph at page 56, line 1, through and including all of page 58, with:

Hematopoiesis could also be induced when ES-like cells were cultured in methylcellulose to form embryoid bodies (Figure 14I). When ES-like cells were transferred onto gelatin-coated dishes for the differentiation of neural-lineage cells (Nat. Biotech., vol.21, p183-186, 2003), they formed neurons (MAP2 positive cells) or glial cells (MBP positive cells) (Figure 14 J-L). Dopaminergic neurons were also found, albeit at low frequency (Figure 14M). When the present inventors compared the differentiation efficiency using ES cells, ES-like cells produced more glial cells than did ES cells, and there were significantly more vessel cell (endothelial cell and the like) or heart muscle cell colonies from ES-like cells. However, ES-like cells could produce all of the expected lineages using protocols for ES cell differentiation (Table 1).

Table 1

		<u> </u>	1
nesis§	Oligodendrocyte	4.6-2.5	0.2 0.1
Neurogenesis§	Astrocyte	34.6 4.4	10.5-3.3
	Neuron	126.7 14.4	162.2 2.23 2.41
enesis*‡	Heart	8.0 4.5	3.8-2.0
Vasculogenesis*‡	Vesself	111.5 12.0 8.0 4.5	49.0 9.2
**	Erythrocyte¶ (%)	£'0 6'6t	6'0 L'7Z
Hematopoiesis	Granulocyte/M acrophage (%)	7.6 0.2	7.6 0.4
	Increase in cell number (fold)	116.7 15.4	102.3 11.6
	Cell type	## # <del>S</del>	<b>* †</b>

Table 1

	:	Hematopoiesis	esis*†	Vasculogenesis*‡	enesis*‡		Neurogenesis§	esis§
Cell	Increase in cell number (fold)	Granulocyte/ Macrophage (%)	Erythrocyte¶ (%)	Vessel¶	Heart	Neuron¶	Neuron¶ Astrocyte¶	Oligodendrocyte
ES- like	$116.7 \pm 15.4$	7.6 ± 0.2	19.9 ± 0.7	111.5 ± 12.0	8.0 <del>+</del> 1	126.7 ± 14.4	34.6 ± 4.4	4.6 ± 2.5
ES cell	$102.3 \pm 11.6$	7.6 ± 0.4	24.7 ± 0.9	49.0 <del>+</del> 9.2	3.8 ± 2.0	162.2 ± 14.5	$10.5 \pm 3.3$	0.2 ± 0.1

Replace the paragraph at page 59, lines 1-21, with:

Table 1 shows in Vitro Differentiation of ES-Like Cells from Testis. Values in the table are mean ± SEM. Results from at least three experiments. ES cells were derived from 129 mice, whereas ES-like cells were derived from DBA/2 mice. \*: Flk-1-positive cells (5 10³) (5 x 10³) were sorted, 4 days after co-culture and replated on OP9 feeder in 24-well plate. †: Cells were recovered 7 days after sorting and analyzed by flow cytometry. Erythrocytes, macrophages, and granulocytes were identified by anti-Ter119, anti-Mac1, and anti-Gr1 antibodies, respectively. †: Numbers of positive cells in each well, 8 days after sorting. Vascular cells were determined by the uptake of DiI-acetylated low-density lipoprotein. Heart muscle colonies were identified by counting beating colonies. §: Cells (2.5 10⁴) (2.5 x 10⁴) were plated on gelatin in 48-well plate, and numbers of positive cells per one cm² were determined, 5 (neuron) or 7 (astrocytes or oligodendrocytes) days after plating. Neurons were identified by anti-Tuj antibody, whereas astrocytes and oligodendrocytes were identified by anti-GFAP or anti-MBP antibodies, respectively. Dopaminergic neurons were produced -10 cells/well. ¶: Statistically significant by t-test (P < 0.05).